

GS1 Compliant Data Matrix Codes

Benefits of data matrix codes

GS1 Data matrix is a widely recognised framework that increases accuracy and efficiency of production and processes. Accurate product and company information can be extracted from these labels, with records maintained in a verified Global Standards (GS1). This access to data improves visibility throughout your supply chain and helps in quickly identifying and resolving issues.

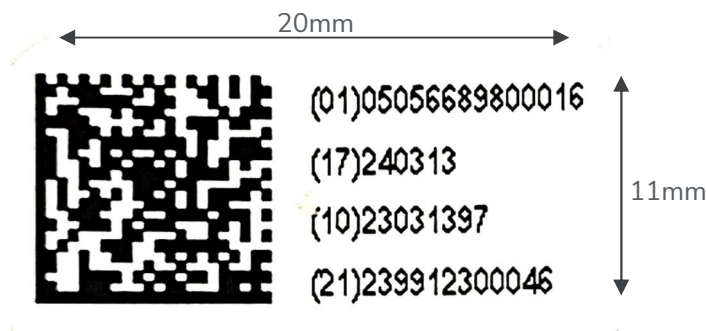
GS1 codes provide a standardised way to identify products, processes, such as ordering, receiving, and inventory management. This reduces errors and increases operational efficiency.

The use of barcodes allows for automated scanning and data capture, within Laboratory Information Management Systems (LIMS), which enhances accuracy and costs.

Individually labelled items can easily be identified for better tracking traceability, and for example, identifying plates that have been used or are being used for environmental monitoring; the location of plates within the lab. They also support stock management, with records of number of boxes or storage location.

Components of the data matrix

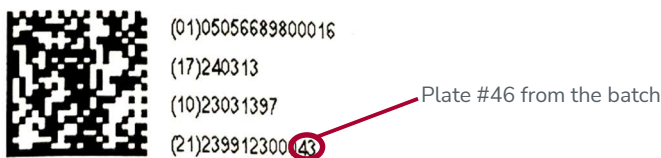
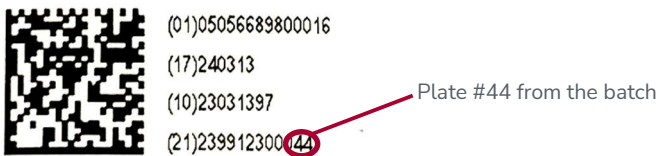
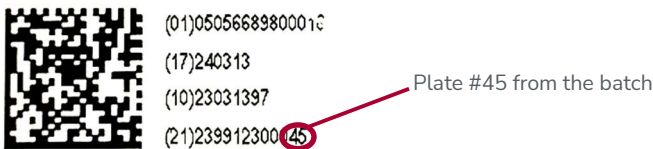
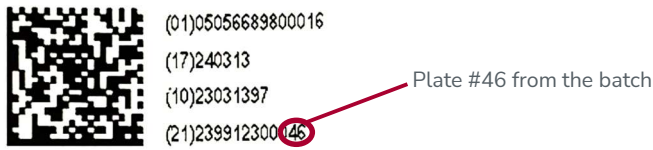
The data matrix codes used by Cherwell are 2D labels printed on a 20mm x 11mm sticker. They require an image-based scanner to be read.



Each data matrix has four identifiers:

- Global Trade Item Number (GTIN) – a product-specific number for items that are not wrapped, such as individual plates, sleeves and boxes. These numbers must be provided to enable the operator to set up the LIMS. Cherwell's company GTIN prefix is 50566898
- (17) Expiry date in YYMMDD format

- (10) Lot number
- (21) Serial number – the last two digits indicate the item number



GS1 data matrix codes enhance efficiency, ensure safety and improve traceability. By minimising manual data entry, GS1 labels reduce the chances of human error, ensuring the integrity of data. Embracing GS1 gives peace of mind and streamlines operations. As the industry continues to evolve, these labels will play an even more critical role. If you'd like to include GS1 labels on your Redipor products, contact us to discuss your requirements

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